

19990312.qrp v01_n393.qrl.990312

Date: Fri, 12 Mar 1999 19:57:15 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1393

QRP-L Digest 1393

Topics covered in this issue include:

- 1) [35344] What's Happening Next Monday Night?
by FrConrad@aol.com
- 2) [35345] HamGuide (Written Test Study Guide)
by Bill Elliott <kj4o@yahoo.com>
- 3) [35346] Re: Alternative power
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 4) [35347] Re: FCC says ISP calls are long distance by nature per CNN.COM
by Steve <smann@advi.net>
- 5) [35348] Fort Smith Hamfest
by Jay Bromley <w5jay@alltel.net>
- 6) [35349] Re: FCC says ISP calls are long distance by nature per CNN.COM
by "Ron Smith" <resmith666@uswest.net>
- 7) [35350] Meeting Report
by Jerry Parker <jparker@fix.net>
- 8) [35351] Re: Happy99 disinfect directions needed
by Dave Marling <dbm@klis.com>
- 9) [35352] Rotators for sale
by "Jerry Haigwood" <w5jh@swlink.net>
- 10) [35353] Latest SVC episode
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 11) [35354] The Ultimate Foxx Hunt QRP Operation from Belize V31 Caye Caulker IOTA NA-073
by Sam Billingsley <SBillingsley@usaninc.com>
- 12) [35355] Radio Shack multiband SWL antennas
by "Frank Grigaliunas" <fgrig@iea.com>
- 13) [35356] Questions again
by Bradford D Bilbrey <bigdawg74@juno.com>
- 14) [35357] Re: NC20 help
by "David D. Meacham" <ddm@datatamers.com>
- 15) [35358] Re: Questions again
by Jeff Johns <jeffj@scott.net>
- 16) [35359] BC QRP & NW QRP combined meeting
by jaywa5whn@juno.com
- 17) [35360] Are you signed up?
by CQCL@aol.com
- 18) [35361] Re: Are you signed up?
by Jeff Johns <jeffj@scott.net>

- 19) [35362] Re: Are you signed up?
by Ron Stark <ku7y@dri.edu>
- 20) [35363] FISTS
by Tom Palmer <n1tp@worldnet.att.net>
- 21) [35364] Fort Smith Hamfest LAST CALL!!
by Jay Bromley <w5jay@alltel.net>
- 22) [35365] Re: Getting rid of switching noise
by "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
- 23) [35366] Charging Multiple Gel Cells
by K4AHK@ix.netcom.com
- 24) [35367] Re: Alternative power
by Chuck Carpenter <w5usj@unicomp.net>
- 25) [35368] REPAIR JOB: NC-20, Part IV not long
by "Paul R. Valko" <prvalko@oakland.edu>
- 26) [35369] RE: Are you signed up?
by mike1@urbancom.net (Dinelli, Michael)
- 27) [35370] RE: Questions again FISTS
by mike1@urbancom.net (Dinelli, Michael)
- 28) [35371] info wanted/R.S. freq.counter
by Wa2eaw@aol.com
- 29) [35372] Re: Questions again
by W5TB <w5tb@SoftHome.net>
- 30) [35373] Re: info wanted/R.S. freq.counter
by "Bryan Turner" <turnerw@email.uah.edu>
- 31) [35374] 15 Meter Sked on Saturday
by Daniel R Case <drcase@iastate.edu>
- 32) [35375] Re: 15 Meter Sked on Saturday
by Chris Cartwright <ccart@dns.vidtel.com>
- 33) [35376] Far Circuit Stuff
by John Scott <kk5vh@yahoo.com>
- 34) [35377] Re: info wanted/R.S. freq.counter
by "Don Branflick" <kb2sqet@eclipse.net>
- 35) [35378] Re: Far Circuit Stuff
by "Gary Ingram" <kb7fci@cdsnet.net>
- 36) [35379] Re: Far Circuit Stuff
by Russ Hines <radioruss@fuse.net>
- 37) [35380] RE: info wanted/R.S. freq.counter
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 38) [35381] NC20 VFO freq too high
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 39) [35382] Re: REPAIR JOB: NC-20, Part IV not long
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 40) [35383] Updated SG-2020 Operators and Service Manual
by "Mark Lawson" <mlp@oz.net>
- 41) [35384] RE: info wanted/R.S. freq.counter
by Chuck Adams <adams@ticnet.com>
- 42) [35385] Re: Suitable QRP Output Stage Transistors?
by Laura Denise Halliday <lha@sdr.utias.utoronto.ca>

- 43) [35386] K2-from parts to DX
by Jeff Gold <JGold@tnitech.edu>
- 44) [35387] Heath Balun B-1
by dave_epps@juno.com
- 45) [35388] HELLO AI4CW - WHERE ARE YOU!
by Brad Bradfield <b_bradfield@yahoo.com>
- 46) [35389] CW: FCC test, other questions
by "Christopher Brewster" <brewsq@excite.com>
- 47) [35390] Re: QRP Quiz
by SKIPNC90@aol.com
- 48) [35391] Re: Interference
by SKIPNC90@aol.com
- 49) [35392] RE: info wanted/R.S. freq.counter
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 50) [35393] help?
by af852@rgfn.epcc.edu (William R Colbert)
- 51) [35394] Re: CW: FCC test, other questions
by sergio <sruiz@bright.net>
- 52) [35395] Table of used gear values...
by Niel Skousen <nskousen@scientech.com>
- 53) [35396] Re: REPAIR JOB: NC-20, Part IV not long
by "Paul R. Valko" <prvalko@oakland.edu>
- 54) [35397] Re: info wanted/R.S. freq.counter
by "Radman" <radman@best.com>
- 55) [35398] FS: Yaesu FT840 (to fund QRP)
by Frank Alwine <n1gpy@together.net>
- 56) [35399] Re: REPAIR JOB: NC-20, Part IV not long
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 57) [35400] Re: Computer Logging Programs
by Bruce Muscolino <w6toy@erols.com>
- 58) [35401] Need HP 1980B Oscilloscope Oper/Prog Manual
by "Bob Helms" <af5z@inetport.com>
- 59) [35402] WSN-40 QRP Net tomorrow.
by Ed Loranger <we6w@qsl.net>
- 60) [35403] WANT: 10m 3-el monobander
by Allan G Taylor <k7gt@arrl.net>
- 61) [35404] blaster-tty agn...
by ntan <ntan@crosslink.net>

Date: Thu, 11 Mar 1999 18:56:07 EST
From: FrConrad@aol.com
To: QRP-L@lehigh.edu
Subject: [35344] What's Happening Next Monday Night?
Message-ID: <ea2e2a35.36e85817@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

To all...

Anybody know of any QRP operating events or QRO contests scheduled for next Monday night? (2200z-0200z 03/15-16)

I've got an idea.

John+
WB6MFS

Date: Thu, 11 Mar 1999 16:14:59 -0800 (PST)
From: Bill Elliott <kj4o@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [35345] HamGuide (Written Test Study Guide)
Message-ID: <19990312001459.17915.rocketmail@web303.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The term project I chose for a programming class is a Ham Study aid for taking the written test. It is still being developed, but can still be of some value and I could use the feedback.

Try checking it out on my web site www.cyberhighway.net/~kj4o, where you can get a copy of HamGuide.

73
Bill, KJ40

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 11 Mar 1999 19:13 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: Jim Glover <psykey@okcforum.org>, QRP-L@lehigh.edu
Subject: [35346] Re: Alternative power
Message-ID: <19990312002233.GJOP18356@localhost>

Jim,
Interesting thoughts!
You should think about that the army did in the 40,s.
I bought a hand crank generator from fair radio sales a while ago.
It cost about \$35.00....it has a seat, cranks, a gearbox, and various
voltages out...I used it to power a gonset g76 transceiver.
There are about 18 tubes in that thing.
It worked on rx, but tx was to much of a load.

To change it to generate 12 volts to charge a car battery would be
easy I would think.
It actually generates ac then chops it and filters it I think.
Its indestructible, portable, foolproof, and a lot of work to
turn at full load.
In its standard form, it puts out something like...

1.5 volts at 2 amps, 6 volts at 3 amps, 100 volts at 10 ma,
400 volts at 150 ma....or something like that.

You may be able to get one free is you ask around.

Brett
N2DTS

Date: Thu, 11 Mar 1999 19:30:45 -0500
From: Steve <smann@advi.net>
To: turnerw@email.uah.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35347] Re: FCC says ISP calls are long distance by nature per CNN.COM
Message-ID: <36E86035.3EEE@advi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bryan Turner wrote:

> > > **----- Original Message follows...
> >
> > >Subject: Long distance charges for local Internet access...
> >

On February 26, 1999 the FCC ruled that ISP calls are long distance by
nature.

See more info at the CNN.com site:

<http://cnn.com/TECH/computing/9902/26/fccisp.idg/index.html>

Steve, N4EY
ARRL Life Member
Toast, NC

Date: Thu, 11 Mar 1999 19:00:37 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35348] Fort Smith Hamfest
Message-ID: <36E86735.234250F1@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,
I just occurred to me that I don't remember announcing the time for the QRP forum. It's starts at 10:00 a.m. with the format Doug and Chuck mention.
Will make one last announcement when I get though whittling all 111 messages.
Geez I am going nuts!!
73 de w5jay..

Date: Thu, 11 Mar 1999 18:11:11 -0700
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35349] Re: FCC says ISP calls are long distance by nature per CNN.COM
Message-ID: <048001be6c25\$66aa9e40\$0400a8c0@192.168.0.4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve and the group...

>On February 26, 1999 the FCC ruled that ISP calls are long distance by
>nature.

>See more info at the CNN.com site:

>

><http://cnn.com/TECH/computing/9902/26/fccisp.idg/index.html>

Yet, the FCC News dated February 25th 1999 states in part...

[Quote]

The Commission declared that Internet traffic is jurisdictionally mixed and appears to be largely interstate in nature. But the decision preserves the rule that exempts the Internet and other information services from interstate access charges. This means that those consumers who continue to access the Internet by dialing a seven-digit number will not incur long distance charges when they do so.

[End Quote]

For the whole FCC News article check out this URL...

http://www.fcc.gov/Bureaus/Common_Carrier/News_Releases/1999/nrcc9014.html

Ron Smith
KD7VD
Boise, Idaho

Date: Thu, 11 Mar 1999 17:32:54 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@LeHigh.edu
Subject: [35350] Meeting Report
Message-ID: <3.0.6.32.19990311173254.007ccb80@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Available complete with Pictures!

The NW QRP Club + BC QRP Club
March 6th Meeting Report
by Dave BarrettVE7PCC

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Thu, 11 Mar 1999 22:02:51 -0400
From: Dave Marling <dbm@klis.com>
To: nskouisen@scientechnology.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35351] Re: Happy99 disinfect directions needed
Message-ID: <36E875CB.186E317A@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This is a persistent little beast, isn't it!

Try this url for info on how to get rid of it:

<http://www.symantec.com/avcenter/venc/data/happy99.worm.html>

73,
Dave
VE1VQ

Date: Thu, 11 Mar 1999 20:19:08 -0700
From: "Jerry Haigwood" <w5jh@swlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [35352] Rotators for sale
Message-ID: <000d01be6c37\$18ac51e0\$a7a3fccc@w5jh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Gang,

I have the following rotators for sale.

1. Yaesu G-1000SDX heavy duty rotator. Holds/turns large arrays (upto 23.5 sq ft windload). Used very little. Excellent shape. \$250 plus shipping.
2. Kenron KR500 ELEVATION rotator (similar to Yaesu G-500). Uses 1.625 inch cross boom. 180 degree rotation. great shape. \$100 plus shipping.

Email me if interested. w5jh@swlink.net

73, Jerry W5JH

Date: Thu, 11 Mar 1999 21:43:19 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp-l@blacksheep.org,
towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [35353] Latest SVC episode
Message-ID: <Pine.GS0.3.96.990311214017.28764H-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

With the appearance of the latest NCJ issue, I have added part 4 of the
SCV series to the site--this one on the "open ended cousins," namely the
half square. Hope the info is useful to someone.-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/ /	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	\			cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html						

Date: Thu, 11 Mar 1999 21:48:38 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [35354] The Ultimate Foxx Hunt QRP Operation from Belize V31 Caye Caulke
r IOTA NA-073
Message-ID: <21E06269B00ED111BE9B00805F6D0FA371E85A@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I have a scheduled vacation to an island off the coast of Belize, Caye
Caulker from 3/12 to 3/18. I will have some operating time between dive
trips. I have looked at the prop. charts in CQ Feb/Mar and see I should have
two good windows of operation one from 1800Z to 2200Z for 10/15 meters and
0100Z to 0500Z for 20/30/40/80 meters. I'll be running 4AH gell cells to
INDEX, LDG tuner and PLPV (vertical with two about ground radials) and W3EDP

87ft end-fed longwire (my old standbys).

I'll be listening for your CQ QRP or /QRP suffix and will attempt to call you if possible. If I am CQing and conditions are good I expect some pileup so will direct your TX freq as UP or DN "x" kHz.

I don't expect to arrive at the island until about 2300Z Mar 12 so more than likely will not setup til morning. I have limited access to email so will TX initial schedule message to Mike Boatright K04WX of the North Georgia QRP group. He will relay this info to the qrp-l and the nogaqrp lists.

I will be signing with a V31 prefix and hopefully a full V31xx call sign. I have pre-arranged for the equipment approvals and the visit to the Dept. of Telecommunications on arrival to Belize City.

Hopefully old SOL will cooperate and there will be plenty of NC20 activity. As you know I believe in starting with 10 mtrs and working down as necessary. I definitely will be monitoring the QRP calling frequencies. If the QRO stations make things too difficult I'll QSY as necessary.

Been waiting for two years to do this "CQ DX de V31/AE4GX"

Sam Billingsley AE4GX Atlanta (Buckhead), GA
<http://mindspring.com/~ae4gx/>

QRP-L 1033 ARCI 9356 ARS 269 NOGA

Date: Thu, 11 Mar 1999 19:04:44 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35355] Radio Shack multiband SWL antennas
Message-ID: <199903120305.TAA14986@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Remember when these went on sale? Well I got some, and now I have a couple left that I don't think I'll ever do anything with. Anybody want to make a deal on them?

In case you don't remember, it's catalog number 20-181 multi-band shortwave

antenna, and consists of a T connector, a pair of PL-259 connectors, and 65 feet of wire in two 32-1/2 lengths. The wire has 5 conductors at the PL-259 ends, which goes to 4 conductors, then 3, then 2, then finally one. The idea is to have an antenna that works for various bands. You're supposed to hook the two PL-259s to the T, hook your lead-in to the T, and then happily listen to BBC, Deutsche Welle, Radio Netherlands, and so forth. The instructions warn against using it for transmitting, but I gather some of the list members have done that or just used it for parts for other projects.

For whatever reason, I've got two of these, and I'm entertaining offers. If I get many, I'll pick from a hat, but I don't really see that happening. This is your chance to name your own price on these things; I think they started with a list price of about \$20 then dropped down to 2 or 3 when they finally sold. I honestly don't remember what I paid for them. The only thing I ask is if any of you want one or both, you get to pay postage too.

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com --*-- (509) 326-7147 --*-- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people."

Date: Thu, 11 Mar 1999 20:42:29 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [35356] Questions again
Message-ID: <19990311.204229.3590.1.bigdawg74@juno.com>

I have recently started to work cw again after a long time, and I have noticed that some Hams give me a FIST number, just what does that mean? I know it's a group of cw ops but why do they send the number? I have seen some posts to the list with all kinds of numbers, FISTS, QRP ARCI etc. but don't know the significance of the FISTS number.

Regards
Brad Bilbrey
KE7MU

80' FXWG, 300MHz PC, HF6V

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>

or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 11 Mar 1999 19:52:47 -0800 (PST)
From: "David D. Meacham" <ddm@datatamers.com>
To: qrp-l@lehigh.edu
Subject: [35357] Re: NC20 help
Message-ID: <Pine.LNX.3.96.990311195034.11401D-1000000@dt1.datatamers.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill,
Mail to you bounces, so I'm using the reflector:

----- Forwarded message -----

Bill,
13.8V minus 13.65V is 0.15V, not 1.5V, so fine business. The others are
OK, too. I would say "proceed".
72, Dave, W6EMD

Date: Thu, 11 Mar 1999 22:25:03 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35358] Re: Questions again
Message-ID: <199903120425.WAA16950x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Thu, 11 Mar 1999 20:42:29 -0700, Bradford D Bilbrey <bigdawg74@juno.com> wrote:

> but don't know the significance of the FISTS number.

Don't feel lonely..... I don't know either :(

73 Jeff W4JEF

----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|

|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |

Date: Thu, 11 Mar 1999 21:30:36 -0700
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [35359] BC QRP & NW QRP combined meeting
Message-ID: <19990311.213041.-265361.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nice photos & report about the combined meeting of the BC QRP Club & NW QRP Club.

Kudos to both Clubs.

Those of us who reside in remote locations do enjoy reading about what the rest of the QRP hobby is doing.

<http://www.fix.net/~jparkernorcal.html>

BTW, what's the white stuff on the ground @ the Park? ;-)

The wind turbine is generating 40 amps @ 14 VDC tonight. What was that weather phenomena called while we were Riley, NM { NorCal QRPTTF 1996}? Oh yeah "Wind", lots of it. ;-)

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 12 Mar 1999 00:29:39 EST
From: CQCL@aol.com
To: w1rfi@arrl.net, qrp-l@lehigh.edu, cqclist@mtechnologies.com
Subject: [35360] Are you signed up?
Message-ID: <b8339304.36e8a643@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I was reading the posts about the ARRL QRP Quiz on the Members Only area and the pros and cons about League membership.

First, the quiz is pretty good. Good job.

Second, there is one new benefit of ARRL membership. It's the new "FREE" = E-mail Forwarding Service. As a QRP newsletter editor and officer of the Colorado QRP Club, I used to put out what I called "CQC ON-Line" to our members who had e-mail addresses, but the biggest problem I had was the huge number of changes every time I put one out. You guys change e-mail providers more often than you change bands. I wanted to publish a list of our members e-mail addresses, but again, they change too often and the list is obsolete before it's printed.

By using the League's forwarding service I can change Internet providers every other week and still get all of my e-mail by using their service. I plan to print my new ARRL Internet address on new QSLs, etc., because I don't have to worry about it changing.

I think it is a great service worth the entire yearly membership. (I don't have to worry about it since I am a life member.)

72,

Rich High W0HEP
CQC #1, G-QRP #8446, NorCal
QRP-L #1817, ARRL - LM

Life=92s Too Short for \$800 Finals

Date: Fri, 12 Mar 1999 00:09:49 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35361] Re: Are you signed up?
Message-ID: <199903120609.AAA28298x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Fri, 12 Mar 1999 00:29:39 EST, CQCL@aol.com wrote:

> It's the new "FREE" E-mail Forwarding Service.

For what it's worth Amsat offers the same service to the entire amateur community at no charge. Visit <http://www.amsat.org> for details.

I also have my amsat.org address on my QSL cards. My ARRL membership has lapsed and the postings this week have served as a reminder that I need to renew.... I really miss getting 'QST' in the mail.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net  w4jef@amsat.org |      Reserve Patrol Captain      |
|  Satellite: Mir R0MIR-1, AO-27  | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet|      QTH Birmingham, AL USA   |
*-----*
```

Date: Thu, 11 Mar 1999 22:11:01 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: CQCL@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35362] Re: Are you signed up?
Message-ID: <Pine.SOL.3.96.990311220801.19753B-1000000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 12 Mar 1999 CQCL@aol.com wrote:

> By using the League's forwarding service I can change Internet providers every
> other week and still get all of my e-mail by using their service. I plan to
> print my new ARRL Internet address on new QSLs, etc., because I don't have to
> worry about it changing.

Hi Rich and all,

This kind of service is available from several places. One of the
more popular is:

contesting.com

and costs \$1/mo.

Nothing wrong with using the one at the ARRL but just to
let those who are adamant about not joining them, there
are choices!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 12 Mar 1999 01:22:36 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [35363] FISTS
Message-ID: <36E8B2AB.53F5C37@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FISTS CLUB.

See:

<http://www.fists.org/>

Tom, N1TP, Naples, FL.

Date: Fri, 12 Mar 1999 01:32:14 -0600
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35364] Fort Smith Hamfest LAST CALL!!
Message-ID: <36E8C2FE.84ABBBE0@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Its twelve midnight, I am doing things for the fest and trying to work on the K2 a little. Here is the last update for the fest. The guys at Embedded Research are sending one of their kits to add to the list of the prizes. I don't know what it is but I bet it's TICK related. ARCI is donating a coffee cup and a mouse pad. Paul Harden is donating 3 of his Data Books for the QRPper. Thanks Embedded, Paul, and ARCI.

And guess what if you don't win one of Paul's Data Books we'll have them on sale at the fest. These are autographed by Paul. Also we will have the 101 manuals that Paul is reprinting for sale at the fest. Both books are a have too for the QRP builder. They are spiral bound so they lay flat while your working. They are both very neat.

Plus we are giving away a NC-20 that is being donating by NorCal, three Dave Bensons SW-40s with three 101 manuals. Whew, I hope I not forgetting something, oh well its late. Plus Doug Hendricks said something about a surprise giveaway at the Hamfest.

Lets not forget the main attraction Doug Hendricks and Chuck Adams. Gosh I could go on forever about these two but, the main word for both that I can think of is ELMER! These guys are the best Elmers in the business. Like I said before if you are in the four state area I can't imagine you not showing up on Saturday (the yard work can't wait till next weekend).

Don't forget to bring out your projects. Even though the building contest is not part of the QRP forum let's show the rest of the world how to do it. Jerry Hawkins K5KBQ is going to bring a hydraulic mast on a microwave van to set up some temporary antennas. I guess it never hurts to work for a TV station. Thanks Jerry.

Remember the forum starts at 10:00 a.m.. The weather won't be a problem

because it is all in doors. For those that want to get a table and do a little selling the can drive right into the Civic center to unload. Talkin in on 146.94 and they can direct you which end of the building to pull in on should it rain. Its not going to but, if it does rain you won't get wet unloading.

For those staying Saturday evening diner is still open. At the start of the forum we will get a head count and adjust accordingly. And with Doug here we ain't going to Micky Dees. I wish Dave NF0R was here to help in this department. Fort Smith is not as big as Saint Louis so we may run out of good food places for Doug fast. We will try to do our best without you Dave.

I am sure there is something I am forgetting so please over look me. I have been burning the candles at both ends getting ready for the Fest, work, and a little iron time on the K2.

Can't wait to see everyone. Oh yaaa, I think one of Doug's last sentences was "But the question really is: Will Jay Bromley's finish the K2???" There's a lot of dripping solder out of the K2 cabinet right now, I guess you will just have to make it to see. I just hate peer pressure. Hope to see you this weekend!

73 de w5jay..

ph-cell-501-651-7012
hm-501-648-9138
Fort Smith, AR.

Date: Fri, 12 Mar 1999 19:21:56 +1100
From: "Graeme Zimmer" <gzimmer@vic.bigpond.net.au>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35365] Re: Getting rid of switching noise
Message-ID: <016701be6c61\$6473f0e0\$6a18c018@vic.bigpond.net.au>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

> Doubt that'll resolve your problem. Also, never heard of
> one being used to "cause the coil to power down faster"

Diodes are hooked up backwards across the relay coil to absorb the kick-back voltage spike which can destroy the switching transistor.

However, they also will "slug" the relay, causing it to be slower to release (The kick-back current through the diode takes a while to decay to zero).

If this is a problem, the trick is to put a high voltage zener there instead, so that while it can still protect the transistor, it makes the relay push its kick-back current through a higher voltage, thus causing the current to drop much more quickly.

Actually it's either two zeners, or a zener and a diode, all in series.

hope this helps....

73's Zim.....VK3GJZ

Date: Fri, 12 Mar 1999 06:45:24 -0500
From: K4AHK@ix.netcom.com
To: qrp-l mail <qrp-l@Lehigh.EDU>
Subject: [35366] Charging Multiple Gel Cells
Message-ID: <36E8FE4D.561A@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would like to charge three 12V 4AH gel cells at one time from a single charger. The batteries can not be placed in series as done in many UPS systems. Other than fuses and diodes to each battery, what do I need to do to make this safe? What diodes? Anybody know of a good website with info on Multiple battery charging?

Bill - K4AHK
Burke, VA - FM18

Date: Fri, 12 Mar 1999 05:58:22 -0600
From: Chuck Carpenter <w5usj@unicomp.net>
To: psykey@okcforum.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35367] Re: Alternative power
Message-ID: <3.0.1.32.19990312055822.00688d20@mail.unicomp.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim,

Interesting ideas you've posited there.

Lot's of alternative energy information is available at the Home Power website at:

<http://www.homepower.com/>

This is a good one and there are lots of others sources.

One possibility for charging batteries would be to use an auto alternator driven by a water wheel. If you have a stream nearby, you could divert some of the water using PVC to flow over the wheel. With suitable gearing and/or belting the water wheel is connected to the alternator and then to the batteries. A system from the batteries similar to those used with solar systems would provide the power distribution. (Note: Use heavy gage wire for distribution to the load to minimize wasteful losses.)

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Fri, 12 Mar 1999 08:38:45 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35368] REPAIR JOB: NC-20, Part IV not long
Message-ID: <Pine.OSF.3.95.990312083445.31319B-1000000@saturn.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

AGC is still really bad. Bad "popping" noise on TX. Very slow to recover >5 seconds.

I still hear a beep beep beep... while the NC-20 TRANSMITS. It doesn't seem to be the AFA chip... I still get it in the headphones even if I pull the AFA output pin #7!

I believe it is the so-called "39ms positive going pulse every .35ms" as described on page 19 of the manual.

I don't know where that pulse is generated or HOW it is getting through to the headphones in TX.

Answers greatly appreciated.

73! =paul= W8KC
Collector of Ten×Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Fri, 12 Mar 1999 07:16:31 -0600
From: mike1@urbancom.net (Dinelli, Michael)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35369] RE: Are you signed up?
Message-ID: <000601be6c8a\$8bbf2880\$0da051d1@mike1.urbancom.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For a nice domain, free e-mail forwarding accounts and free ham web pages,
go to:

<http://www.qsl.net>

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
Solid State leaves me cold.

Date: Fri, 12 Mar 1999 07:23:12 -0600
From: mike1@urbancom.net (Dinelli, Michael)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35370] RE: Questions again FISTS
Message-ID: <000701be6c8b\$7a3e26a0\$0da051d1@mike1.urbancom.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The FISTS CW CLUB'S purpose is:

1. To further the use of CW on the amateur bands.
2. To encourage newcomers to the CW mode.
3. To engender friendship within the membership.

There are no paid employees in the 6000+ membership organization (300% growth in last couple years). The FISTS number is used for award tracking. FISTS offers several awards (including QRP endorsed) that require the exchange of their numbers on the air to qualify. For more info, see the FISTS website at: <http://www.fists.org>

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
Solid State leaves me cold.

Date: Fri, 12 Mar 1999 08:43:23 EST
From: Wa2eaw@aol.com
To: qrp-l@lehigh.edu
Subject: [35371] info wanted/R.S. freq.counter
Message-ID: <925b8fc5.36e919fb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi to all.
I looked at the Radio Shack frequency counter (on sale for \$79.00) but even after reading the documentation I could not find the resolution of the counter.
Does anyone know (for sure) what the resolution is ?ie: 14.2 MHz or 14.251 MHz?
At one (1) place to the right of the <.> its useless.
Thanks for any information.
73/72 de WA2EAW...Bob <WA2EAW@AOL.COM> or post to qrp-l

Date: Fri, 12 Mar 1999 08:09:55 -0500
From: W5TB <w5tb@SoftHome.net>
To: bigdawg74@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [35372] Re: Questions again
Message-ID: <v04011701b30ec22fd7ba@[10.4.13.143]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I have recently started to work cw again after a long time, and I have
>noticed that some Hams give me a FIST number, just what does that mean? I
>know it's a group of cw ops but why do they send the number? I have seen
>some posts to the list with all kinds of numbers, FISTS, QRP ARCI etc.
>but don't know the significance of the FISTS number.

Hi Brad -- FISTS, QRPARCI etc sponsor awards for working members -- then
number is used to confirm the contact. Details on FISTS awards is at
<http://www.fists.org/>

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Fri, 12 Mar 1999 08:16:38 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, Wa2eaw@aol.com
Subject: [35373] Re: info wanted/R.S. freq.counter
Message-ID: <199903121417.IAA08440@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> Does anyone know (for sure) what the resolution is ?ie: 14.2 MHz or 14.251
> MHz?

It has the latter (better) resolution. I bought one several years ago
and it has done everything that I've needed it for.

73 Bryan W8LN

Date: Fri, 12 Mar 1999 08:15:03 -0600
From: Daniel R Case <drcase@iastate.edu>
To: qrp-1@Lehigh.EDU
Subject: [35374] 15 Meter Sked on Saturday
Message-ID: <3.0.32.19990312081459.006c6390@pop-1.iastate.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thank you to everyone who responded to my request for sked on fifteen meters tomorrow morning. We are giving a presentation on amateur radio to several boy scouts for their radio merit badge. They need to work someone, both on SSB and CW. We will call CQ on fifteen meters tomorrow on or around 21.305 +/- 10 KHz SSB. Listen for us sometime between 15:45 and 16:30 UTC.

Thanks again to everyone who answered my e-mail!

Dan Case, KB0JUL
Ames/Beaman, Iowa
drcase@iastate.edu
Cyclone Amateur Radio Club, Iowa State University

Date: Fri, 12 Mar 1999 10:38:48 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Daniel R Case <drcase@iastate.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35375] Re: 15 Meter Sked on Saturday
Message-ID: <Pine.LNX.3.93.990312103652.443A-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 12 Mar 1999, Daniel R Case wrote:

> both on SSB and CW. We will call CQ on fifteen meters tomorrow on or
> around 21.305 +/- 10 KHz SSB. Listen for us sometime between 15:45 and

I assume you'll be using KB0JUL ??

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 12 Mar 1999 07:11:39 -0800 (PST)
From: John Scott <kk5vh@yahoo.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [35376] Far Circuit Stuff
Message-ID: <19990312151139.18585.rocketmail@send104.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Gang,

I am interested in doing some of the Far Circuit stuff but I don't know what the "stuff" is. I saw some power meter stuff and others but they refered me to the "73 magazine Nov 95" and I am at a loss to find an archive of the magazine.

Buying the boards with the description alone does not appeal to me and the people at Far Circuits are willing to sell me the articles at \$1.50 a pop. That's a high price to browse what I may or may not need.

Anybody know where I can get more information on the net??

I don't think my local library knows what hamming is..

Thanks
John KK5VH
kk5vh@yahoo.com

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 12 Mar 1999 10:09:35 -0600
From: "Don Branflick" <kb2sqt@eclipse.net>
To: <qrp-1@lehigh.edu>
Subject: [35377] Re: info wanted/R.S. freq.counter
Message-ID: <199903121513.KAA23489@mail.eclipse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob:

You can get resolution to 1Hz (14.251) or 0.1Hz (14.2511) by toggling the gate speed between 64ms and 640ms respectively.

72,
Don - KB2SQT

> From: Wa2eaw@aol.com
> counter.
> Does anyone know (for sure) what the resolution is ?ie: 14.2 MHz or
14.251
> MHz?

Date: Fri, 12 Mar 1999 07:18:53 -0800
From: "Gary Ingram" <kb7fci@cdsnet.net>
To: <kk5vh@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35378] Re: Far Circuit Stuff
Message-ID: <000601be6c9b\$a4e42b60\$74841ad0@GaryIngram>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I would also like to know.

72/73

Gary

Gary Ingram
Merlin, Oregon
<http://home.cdsnet.net/~kb7fci/>

-----Original Message-----
From: John Scott <kk5vh@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, March 12, 1999 7:16 AM
Subject: Far Circuit Stuff

>Hi Gang,

>
>I am interested in doing some of the Far Circuit stuff but I don't
>know what the "stuff" is. I saw some power meter stuff and others but
>they refered me to the "73 magazine Nov 95" and I am at a loss to find
>an archive of the magazine.
>
>Buying the boards with the description alone does not appeal to me and
>the people at Far Circuits are willing to sell me the articles at
>\$1.50 a pop. That's a high price to browse what I may or may not need.
>
>Anybody know where I can get more information on the net??
>
>I don't think my local library knows what hamming is..
>
>Thanks
>John KK5VH
>kk5vh@yahoo.com
>
>
>
>
>
>
>

>DO YOU YAHOO!?
>Get your free @yahoo.com address at <http://mail.yahoo.com>
>
>

Date: Fri, 12 Mar 1999 10:25:05 -0500
From: Russ Hines <radioruss@fuse.net>
To: kk5vh@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35379] Re: Far Circuit Stuff
Message-ID: <36E931D1.92EBA2D8@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you have web access, you can find FAR at <http://www.cl.ais.net/farcir/>

He usually includes a photocopy of the article of a particular board, if available.

73,
WB8ZCC

John Scott wrote:

>
> Hi Gang,
>
> I am interested in doing some of the Far Circuit stuff but I don't
> know what the "stuff" is. I saw some power meter stuff and others but
> they refered me to the "73 magazine Nov 95" and I am at a loss to find
> an archive of the magazine.
>
> Buying the boards with the description alone does not appeal to me and
> the people at Far Circuits are willing to sell me the articles at
> \$1.50 a pop. That's a high price to browse what I may or may not need.
>
> Anybody know where I can get more information on the net??
>
> I don't think my local library knows what hamming is..
>
> Thanks
> John KK5VH
> kk5vh@yahoo.com
>
>
>
> -----
> DO YOU YAHOO!?
> Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 12 Mar 1999 10:08:24 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <kb2sqt@eclipse.net>, "'Low Power Amateur Radio Discussion'" <qrp-
1@Lehigh.EDU>
Subject: [35380] RE: info wanted/R.S. freq.counter
Message-ID: <000001be6ca2\$97be85a0\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Actually you are getting 1kHz not 1Hz with the RS counter.
1Hz would be 14.251021

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Don Branflick
> Sent: Friday, March 12, 1999 10:10 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: info wanted/R.S. freq.counter
>
>
> Bob:
>
> You can get resolution to 1Hz (14.251) or 0.1Hz (14.2511) by
> toggling the
> gate speed between 64ms and 640ms respectively.
>
> 72,
> Don - KB2SQT
> -----
> > From: Wa2eaw@aol.com
> > counter.
> > Does anyone know (for sure) what the resolution is ?ie: 14.2 MHz or
> 14.251
> > MHz?
>

Date: Fri, 12 Mar 1999 11:17:04 -0500
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [35381] NC20 VFO freq too high
Message-ID: <36E93E00.D8E3EEB3@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am trucking along with my NC20. I am up to section 11, setting the vfo frequency. The AFA is real cool. At first power up I got *59*. TC1 was fully meshed so when I tweaked it the frequency only got higher. Rats need to fiddle with L1. I squeezed the turns on L1 the best I could but could only get it down to *07* or so. I counted the turns on L1 about 10 times before I installed it. Did I mess up or have others had to add a turn to L1 to get the vfo at *999*? At the end of section 5 I measured 0.61 vdc at 5.189 Mhz. I will double check everything tonight to make sure I am doing section 11 correctly. Is my only option to rewind L1? When I remove L1, I plan on very carefully counting the

turns. What should I do if I did not mess up and I got the 8/35 turns correct? Add another turn and make it 8/36?

Ed Kwik AB8DF Waterford MI

Date: Fri, 12 Mar 1999 08:40:26 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <prvalko@oakland.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35382] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <1d5901be6ca7\$0dcab800\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul wrote:

>
>I still hear a beep beep beep... while the NC-20 TRANSMITS. It
doesn't
>seem to be the AFA chip... I still get it in the headphones even if I
pull
>the AFA output pin #7!
>
>I believe it is the so-called "39ms positive going pulse every .35ms"
as
>described on page 19 of the manual.
>
>I don't know where that pulse is generated or HOW it is getting
through to
>the headphones in TX.

This is generated by the AFA on pin 5 or 6 (I can't remember offhand which one -- they are both connected together). It sure sounds like pin 6 is shorted to pin 7 on the board.

This is all consistent. Pulling the AFA makes the noise go away. Pulling pin 7 does not -- because the sound is coming from pin 5 or 6. You can confirm this by pulling pins 5 and 6. The fact that the sound is only audible during transmit is also consistent, because the waveform at pins 5/6 changes during transmit to one which can readily pass through the sidetone filter, whereas during receive, most of the energy will be filtered out.

Try using an ohmmeter to measure between pins 6 and 7 (with pin 7 reconnected) or between pin 6 and R93 (with or without Pin 7 connected).

Is the volume level of the beeping affected by the AFA tone level trimpot? If so, the signal is being coupled in directly at pin 7 or R93. If not, it is taking a longer path to get to the audio. I suspect something very close to the AFA, like a solder bridge between pins 6 and 7 under the IC.

Mike K1MG

Date: Fri, 12 Mar 1999 08:46:57 -0800
From: "Mark Lawson" <mlp@oz.net>
To: <qrp-1@Lehigh.EDU>
Cc: "Pierre Goral" <sgc@sgcworld.com>, <mlp@oz.net>
Subject: [35383] Updated SG-2020 Operators and Service Manual
Message-ID: <000501be6ca7\$f17b9920\$519127d8@mlp.oz.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

SG-2020 Announcements

Updated SG-2020 Operators and Service Manual.

We have just completed updating the SG-2020 Operators and Service Manual, and have posted this draft manual on our web site. This manual is available for downloading and use immediately.

In an effort to provide the most accurate and user friendly manual possible, we are encouraging all SG-2020 owners to review this draft manual and submit any comments or corrections which you believe would improve it. We plan to finalize this manual in Fall 1999, with print manuals available after that date.

Here are a few of the new manual features:

1. New 84 page SG-2020 manual
2. Applications for data communications, mounting base stations.
3. Marine net key
4. Latest updates
5. Complete update chart for DC voltages

6. Gain distribution
7. Updated latest schematics
8. Components layouts

Available for free download at <http://www.sgcworld.com/pubs.htm> or directly from SGC's FTP site at <ftp://ftp.sgcworld.com/pub/sgc/Brochures/2020man.pdf>.

For more information, please contact SGC.

SGC, Inc.

1-800-259-7331

PO Box 3526, Bellevue, WA 98005 USA

Tel: 425-746-6310 | Fax: 425-746-6384

E-mail: sgc@sgcworld.com | Official SG-2020 Web site:

<http://www.sgcworld.com/2020>

###

Date: Fri, 12 Mar 99 11:08:28 -0500
From: Chuck Adams <adams@ticnet.com>
To: Kevin Muenzler WB5RUE <wb5rue@stic.net>
Cc: qrp <qrp-1@lehigh.edu>
Subject: [35384] RE: info wanted/R.S. freq.counter
Message-ID: <E10LVQZ-0003Lk-00@smtp.ticnet.com>

Group,

The radio shack counter has 1 or 0.1 Hz resolution up to 10MHz.
It takes 2 seconds per sample to get the 1 Hz resolution and
20 seconds to get the 0.1 Hz resolution.
Above 10MHz then go to 1KHz.

I checked one against WWV and the 3.600000MHz output
from the GC-1000 in sync and the R/S counter was off 11Hz.
Good news is it that it does not drift. Bad news is there is
no adjustment whatsoever to calibrate, i.e. adjust the reading.

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Fri, 12 Mar 1999 12:07:02 -0500 (EST)
From: Laura Denise Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [35385] Re: Suitable QRP Output Stage Transistors?
Message-ID: <Pine.SOL.3.92.990312115116.2381A-100000@madrox>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Watson WB4EXW asked about output stage transistors
for QRP radios...

Since many of the old favourites are obsolete and only
available surplus (if at all), let's make sure we
include new transistors. Some of which weren't designed
to be RF power amplifiers, but which work well that way
anyway. :-)

One example that comes to mind is the IRF510 - hard to
beat for a simple, cheap, efficient Class D amplifier at
the low end of HF.

A quick look at the catalogues shows all kinds of 1 watt
switching transistors, often in handy SOT-89/SOT-223
packages. With an Ft of 150-200 MHz they might have
applications. Hmmm...

Laura Halliday VA3LDH "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

Date: Fri, 12 Mar 1999 11:41:37 -0600
From: Jeff Gold <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@lehigh.edu>
Cc: JGold@tntech.edu
Subject: [35386] K2-from parts to DX
Message-ID: <06f101be6caf\$949c4b20\$4d0b9595@cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

All,

For those of you waiting on the outskirts or just like finding out about new kits, here is my latest thoughts on the Elecraft K2 kit. I was one of the approx. 100 field testers. Wayne Burdick (of Norcal 40, SST, Sierra fame) and Eric Swartz (famed Dxer, or at least I have a picture of him scuba diving with some exotic sounding call :*) Decided to take a list of QRP kit builders wants and wishes, synthesize the results and make the "dream" kit a reality.

I have built almost every kit on the market for the last 8 or so years and written reviews for some of the ham magazines. The quality of kits now available is incredibly good. This includes parts used, instructions provided and how the product functions if built according to plans. QRP kits are a pretty competitive market with such great suppliers as Oak Hills, Small Wonders, Wilderness Radio, S&S Engineering, Emtech and Ten Tec (I apologize if I have left anyone out). Kits for monobanders are down as low as \$50 if you provide your own case. Many good kits with cases are around the \$100 range. Oak Hills now even makes a 5 band kit. Norcal QRP club is always coming out with exciting quality kits.. don't know how Doug and his group manage.

I had a list I keep of what I would really love from a QRP kit. I have always found if I have a fancy do it all commercial rig (like my X-TS850SAT, or even Omni VI) and I build a monobander, I end up spending all my time operating on the rig I built. So it would stand to reason if someone would manufacture a kit that was a multi-band rig, had 2 vfos, memories, a built in memory keyer, scanning functions, also could be used portable with built in tuner, battery and would have provision for computer interface and tranverter, I would get the functionality I desired, plus be able to operate with all the nice features on a rig I built myself.

Well the kit Wayne and Eric not only had most if not all my dream features (either now or planned), but had some I hadn't thought of (like scanning). They built and tested a number of versions before the big Field Test (how many companies do that) I read the specs of the new proposed kit. I had been one of the first on line for the SGC-2020 and was really excited about it.. I had a qrp+++ and liked it, but had some problems with the rig and one part go bad.. and no support. As the SGC2020 was about to come out (or this is the way I remember it), the K2 was becoming a reality. I have built Wayn'e original Norcal club Norcal 40s (both club versions, and the commercial version from Wilderness radio). I also built the SST. The rigs he designs seem to be really fun to build and they always stayed in my shack longer than any other kits. So ended up cancelling my SGC2020, and sold a few other rigs.

Eventually got my K2 kit. The manual is huge, but one of the best done pieces of documentation I have come across. Wayne and Eric even set up a web site and mailing list so the Field Testers could communicate and make suggestions to improve the manual and let everyone know of any problems that

arose. The email on from the group once the project got started was huge. I decided to let a number of other get ahead of me (and my 14+ hour work days also was a consideration). I became overwhelmed with my work schedule and the huge number of suggestions. I almost decided to not participate. Eric and a number of the builders got back to me and gave me immediate and positive support. I decided to not read the suggestions until they became "official" Elecraft revisions. I then took the official suggestions and made changes in the manual and such. For a project this size, there was a VERY small number of actual changes.

The support provided by Wayne, Eric and the group was phenomenal. If you had a problem, post and within minutes to an hour most likely have a suggestion to diagnose problem and solve it. I went through and built slower than I usually do making sure all parts align correctly with identifying codes pointed in the same direction. Also checked and made very sure parts seated correctly and the correct parts were in their place. The quality of all parts, directions and PC boards was absolutely top of the line. This rates at the very top of my list of kits that are pure fun to build. The PC board is the best layed out board I have come across. This was very important for the RF board that housed a very large number of parts. Usually for a board like this you would expect the manual to break the building up into sections and have detailed lay outs of that section. This in fact was a suggestion before I really was into building. When I started building, notices that you could very easily identify the placement of the parts by the fact they were so logically placed and placed in sequential order of BUILDING. The directions were very clear and unambiguous. For me this is extremely important. I build to relax at this point. I don't want to have to figure out what the author means by the directions. Any places in the manual that were questionable (I didn't have any after the initial corrections) were picked up by the very astute building group. They really ripped all the procedures apart and came up with excellent suggestions. There seemed to be a real cross sections of builders. From hams that could design circuits to novice builders. Couldn't ask for a better test group.

I finished the kit and alignment with very minor problems. I had to go back and resolder some legs on the LCD, this was my fault not the kits. Everything came to life in each power up section. I usually get nervous and excited about the "smoke test" part of building. This kit provides new levels of excitement as you get to the sections where you test what you have built. There is a lot of computer stuff on this rig.. and lots of the alignment is done by the rig. It is an amazing design for a kit. The digital volt ammeter, frequency counter and other instruments to align and test are built into the rig.

Wayne had always been an inovator in his kits in that the controls and jacks were built onto the board. This saved the final wiring steps of the controls and jacks.. messy and my least favorite. This kit is the same way. No external wiring.

Tune up can be frustrating for some new builders. Somehow.. magic or whatever.. Wayne and Eric got this rig to do most of the tune up by itself, or by using the menu system. I believe there are only a few places for manual adjustments. There is a very broad adjustment for the coil for the receiver, then one for the VCO voltage (using the built in meter it is extremely easy). Then for each band there are two inductors that need to be peaked using the built in meter or preferably a QRP capable wattmeter. I used my OHR, the peaks were very sharp and easy to do. I checked afterwards with my scope, and actually found it easier to do with the Wattmeter. Very clean looking TX signal on the scope. The rest of the adjustments are very clearly defined in the manual and you basically just use the menu system.

Interface design.. this rig is easy to use with or without a manual. I don't usually have time, energy or desire to go thru the manuals that come with rigs. I still haven't read the manual for my TS850SAT that was shipped this week, and probably never would have learned to use all the features. I programmed the scanning function yesterday in about 1 minute. learned the split function this am while chasing DX.

Ok, how does it work. FANTASTIC, how is that for a summary. I have a Corsair I next to it that has both SSB and CW filters. I consider the receiver in the Corsair to be one of the best I have used. So far, if the Corsair can hear it, so can the K2. I have done switching tests and noticed the difference (in highly non-technical terms) is that both rigs will hear very weak signals equally strong.. the difference is that the K2 appears to bring the signal more to the front and push the noise more to the background (signal to noise ratio? I think in computer terms of foreground and background). The rig is very easy to operate. The tuning knob has a good weight and feels very nice. I have gotten excellent reports on the quality of my signal. I have also listened to it on the corsair and it sounds very sweet. The bands just started opening up here this am.. and worked a bunch of DX before work.

So far I love the rig and glad I got rid of my TS850. This kit was a blast to build and it is as much fun to operate. I can't wait for the accessories.

72,
Jeff, AC4HF

Date: Fri, 12 Mar 1999 09:49:37 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [35387] Heath Balun B-1

Message-ID: <19990312.101220.-39801.1.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for all of the info on the B-1. I guess it is wired for 4 to 1 as it seems to work real good feeding the ribbon cable feedline, although I don't have any idea what the impedance of the ribbon cable feedline is. It is the only piece of gear in my shack that is worth more today than it's original new selling price. I paid \$5 for it at a hamfest and I'll buy every one I can for that price. Tks Agn.
dave ab5pc fresno, ca.

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 12 Mar 1999 10:37:13 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Cc: b_bradfield@yahoo.com
Subject: [35388] HELLO AI4CW - WHERE ARE YOU!
Message-ID: <19990312183713.16031.rocketmail@send201.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Sorry for the bandwidth guys - -

Don, AI4CW, sorry I tried to reply to your DNT1@daimlerchrysler.com address, but it keeps bouncing back. Yes, I would like a copy of KR-20A manual. Snail mail to me at my address below. Tnx.

72's es 73's,

Brad, W5CGH

==

Brad Bradfield, PE W5CGH Systems Engineer

(ex WB0CGH)

Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377 SMIRK #4906
ARS #72 Austin QRP Club #e

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Fri, 12 Mar 1999 10:43:27 PST
From: "Christopher Brewster" <brewsq@excite.com>
To: qrp-l@Lehigh.EDU
Subject: [35389] CW: FCC test, other questions
Message-ID: <921264207.9264.613@excite.com>
MIME-Version: 1.0
Content-Type: text/plain

[Long; sorry. Your responses to my previous CW question were much appreciated.]

I've been using several CW teaching methods, all of which use Farnsworth spacing. But at the end of side 2B on Jerry Ziliak's set, he drops this bombshell: the FCC 13-WPM test does **not** use Farnsworth. He then gives a sample of what the test sounds like. Help! I couldn't follow it at all. Is this Morse code? The dots and dashes fill all the available time. It sounded awful, like some weird experiment. Is this really how the test sounds? Why would FCC use spacing that disagrees with every respected teaching method and (what seems to me) good practice? Another reason I'm surprised is that, as I remember, the 5WPM test I took used some species of Farnsworth. What are other people encountering?

Other CW questions:

What's the difference in usage between AR and SK? They both seem to mean "end".

The code actually includes quite a few characters beyond the 45 FCC-required ones. I'm wondering if anyone knows or uses these characters, such as parentheses, excl point, etc. When you communicate with people in countries that put little funny marks above letters, do they use the special codes for the modified characters such as umlaut-U? And do people copy these correctly? (I assume people's names and QTH's must include some of these.) I discovered that these characters account for the "unused" 4-digit codes ... and .-. .

The MFJ code tutor assigns characters to some of the prosigns, and I like this practice. SK is represented as *, AR as +. What do most people actually write? Is there a standard set of representations or do people use different ones? I'm asking because ARRL materials never seem to use these.

Why did Morse give O, a very common letter, such a long code? (There's probably no answer to this one, but I thought I'd ask it.) Thanks...

Christopher Brewster, kc evq
brewsq@excite.com 612/475-0477
Plymouth, Minnesota

Get your free, private email at <http://mail.excite.com/>

Date: Fri, 12 Mar 1999 13:49:18 EST
From: SKIPNC90@aol.com
To: dhhogan@concentric.net, qrp-l@lehigh.edu
Subject: [35390] Re: QRP Quiz
Message-ID: <3fbfffe.36e961ae@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-03-10 13:13:41 EST, dhhogan@concentric.net writes:

<< I don't agree with some of the management at
ARRL, but then I don't agree with some of the management of the
government, but I stay a member to both anyway.

Dan Hogan WA6PBY >>

The government takes out their DUES before you get yours,
watchout the ARRL just might start doing that too.

I can read QST at my local library or get it at the news stand
if I want. The internet and web sites are just like the library and
news stand in that they are sources for information good or bad.

If you want people to become interested in something then
make as much information available to them as possible. I like
the "Test Your Knowledge!" page in QST. It tells me what I don't
know about this hobby as well as what I know. It will get me to

brush-up on this unknown information. If the ARRL QRP Quiz were made available to all that surf the web site it might get more people and QRO ops to look into QRP operating in ham radio. Why it might just get more non-hams into this hobby.

As far as the comment made about no Qrp articles in QST this is incorrect. There have been many in the past 2 years alone and also some kit reviews too. Maybe someone is cutting out those articles from the QSTs you get.

Non ARRL member for the last 18 years of my 21 years as a ham. QRP for 21 years, it is what got me interested to get my licence, those little battery operated radios (HW-7 and HW-8 remember it was 21 years ago).

73, Skip Davis NC90

Date: Fri, 12 Mar 1999 13:49:23 EST
From: SKIPNC90@aol.com
To: ku7y@dri.edu, qrp-1@lehigh.edu
Subject: [35391] Re: Interference
Message-ID: <e0cbc361.36e961b3@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-03-11 13:47:14 EST, ku7y@dri.edu writes:

<< > >>in my house.

> >>Don't let your wife.....

> >

> >You can stop right there, That's the biggest source of interference in my
> >house!

>

> Have you found any sort of filter....

Yes!

They are made from Diamonds and come in several versions...

Any leakage can be removed with a Cruise Ship....

>>

I have tried all of the above and just the other day a new car for her,
I don't see any change in the level here.

73, Skip NC90

Date: Fri, 12 Mar 1999 13:13:47 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Chuck Adams'" <adams@ticnet.com>
Cc: "'qrp'" <qrp-1@lehigh.edu>
Subject: [35392] RE: info wanted/R.S. freq.counter
Message-ID: <000001be6cbc\$7b761420\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I stand corrected. I've never used it on HF so I must be missing that feature.

Thanks
Kevin

> -----Original Message-----
> From: Chuck Adams [mailto:adams@ticnet.com]
> Sent: Friday, March 12, 1999 10:08 AM
> To: Kevin Muenzler WB5RUE
> Cc: qrp
> Subject: RE: info wanted/R.S. freq.counter
>
>
>
> Group,
>
> The radio shack counter has 1 or 0.1 Hz resolution up to 10MHz.
> It takes 2 seconds per sample to get the 1 Hz resolution and
> 20 seconds to get the 0.1 Hz resolution.
> Above 10MHz then go to 1KHz.
>
> I checked one against WWV and the 3.600000MHz output
> from the GC-1000 in sync and the R/S counter was off 11Hz.
> Good news is it that it does not drift. Bad news is there is
> no adjustment whatsoever to calibrate, i.e. adjust the reading.
>
> FYI
>
>
> --
> Chuck Adams K5FO adams@ticnet.com CP-60
> <http://www.ticnet.com/k5fo>

>

Date: Fri, 12 Mar 1999 12:22:28 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-1@lehigh.edu
Subject: [35393] help?
Message-ID: <199903121922.MAA10810@rgfn.epcc.edu>

Hi gang,
Just wondering what may have happened to my ability to return mail while in the digest mode. I no longer have the highlighted e-mail address (url's are still highlighted) in the from line for messages to the list. This capability went away on Wednesday, best I can tell. I first thought it might be a problem with the Netscape program so that was reloaded - no change. Thoughts are appreciated.
Thanks
Ray

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Fri, 12 Mar 1999 14:26:56 -0500
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [35394] Re: CW: FCC test, other questions
Message-ID: <36E96A80.4F8F57D4@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> awful, like some weird experiment. Is this really how the test sounds? Why
> would FCC use spacing that disagrees with every respected teaching method
> and (what seems to me) good practice? Another reason I'm surprised is that,
>

from what i can remember.. the 13wpm was farnsworth.. it sounded fine, but i was held hostage by the ve to take the 13 after i passed my 5.. what a crazy idea...

so i don't remember anythign other than writing frantically... but i do remember it was farnsworth...i passed, but i was gunshy for days afterwards!

mebbe the fcc is trying to make the test sound more like what is on the air as of late..

> What's the difference in usage between AR and SK? They both seem to mean
> "end".
>

i always use sk.. i dunno that i have ever heard anyone use ar.. but i have been inactive awhile..

> write? Is there a standard set of representations or do people use different
> ones? I'm asking because ARRL materials never seem to use these.
>

i just use made up lines and squiggles.. i know what they mean.. but they are not standard.. for the test, i did write them out, though...

> Why did Morse give O, a very common letter, such a long code? (There's
> probably no answer to this one, but I thought I'd ask it.) Thanks...

prolly to make sos sound cooler, and more even.. plus.. it sounds like that in all the movies.. they didn't wanna rock the boat..

--

peace,
sergio
<http://www.bright.net/~sruiz>
"the village buzz"

Date: Fri, 12 Mar 1999 12:31:02 -0700
From: Niel Skousen <nskousen@scientechnology.com>
To: qrp-l@lehigh.edu
Subject: [35395] Table of used gear values...
Message-ID: <4.1.19990312123008.009c0bc0@if.scientechnology.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Several weeks ago there was URL pointer to a table of used gear values...
lost the URL, can someone point me to the right place ?

TNX Niel

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG, NUSI WA7SSA
208.525.3742, 524.9229 FAX 529.4721 Idaho Falls ID
nskousen@scientech.com DN33wm . . . -z

Date: Fri, 12 Mar 1999 15:19:08 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35396] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <Pine.OSF.3.95.990312150935.1668A-100000@saturn.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 12 Mar 1999, Michael A. Gipe wrote:

> Paul wrote:
> >
> >I still hear a beep beep beep... while the NC-20 TRANSMITS. It
<snip>
> >I believe it is the so-called "39ms positive going pulse every .35ms"
> as described on page 19 of the manual.

Mike sez:

>
> This is generated by the AFA on pin 5 or 6 (I can't remember offhand
> which one -- they are both connected together). It sures sounds like
> pin 6 is shorted to pin 7 on the board.

Sounds quite reasonable. :Pins 5 and 6 are inputs to the AFA. Pin 7 is
the output.

My problem is that the BEEP BEEP BEEP sound is NOT affected by the VR8
AFA Tone Level pot! How the heck is that pulse getting into the
earphones?

By the way... the BEEPING goes away while the AFA is making an
announcement. And of course, it is not heard while the rig is in receive
mode.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Fri, 12 Mar 1999 12:36:05 -0800
From: "Radman" <radman@best.com>
To: <Wa2eaw@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [35397] Re: info wanted/R.S. freq.counter
Message-ID: <199903122033.MAA04799@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Bob et al,

Here's what the RS freq counter displays when measuring a
~ 12.0 MHz test point:

SLOW GATE: 12.0331
FAST GATE: 12.033

As Chuck pointed out, this is not a perfect instrument.
Mine's 10 Hz high at 10MHz. But, in the world of freq
counters, perfection is typically a function of price ;) I
use the RS counter for a lot of design and test work --
when I don't need greater accuracy. It also makes a dandy
freq display for a QRP rig in the field or at home. For
greater precision, I use a Fluke 50MHz bench counter.

My opinion: It's a great buy for \$79. My only real gripe
is it won't time-out (turn itself OFF) after some period
of non-use, resulting in another trip to RS to buy more
"AA" batts to fuel it !! Hmmm.... could the RS designers
have conspired this "flaw" from the very beginning in
order to sell more batts ? ;-)

Std disclaimers....

Happy freq counting,

72 - Conrad - NN6CW

/// snip /// Does anyone know (for sure) what the
resolution is ?ie: 14.2 MHz or 14.251 MHz?
At one (1) place to the right of the <.> its useless.

Thanks for any information.
73/72 de WA2EAW...Bob <WA2EAW@AOL.COM>

Date: Fri, 12 Mar 1999 16:34:49 -0500
From: Frank Alwine <n1gpy@together.net>
To: qrp-1@lehigh.edu
Subject: [35398] FS: Yaesu FT840 (to fund QRP)
Message-ID: <36E98879.A684DD09@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've decided to concentrate on HF QRP & VHF/UHF weak signal work,
so to get some cash to fund those activities I'm selling the
following:

Yaesu FT840 HF rig in excellent-to-mint condition. Bought new 9/97,
less than 50 hours use on the rig. Includes hand mike, power cord,
user manual, original box. Current new price on this rig is
\$740-\$750, will sell for \$600 OBO + shipping from zip 05468 (will
double-box for shipment). I'd also entertain interesting trades/
partial trades - QRP equipment, 432MHz transverter or all-mode rig,
etc. Drop me a line at n1gpy@together.net if you're interested.

Thanks, es 72,
Frank KT1VT

Date: Fri, 12 Mar 1999 13:51:08 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "Paul R. Valko" <prvalko@oakland.edu>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [35399] Re: REPAIR JOB: NC-20, Part IV not long
Message-ID: <1eb801be6cd2\$72624f50\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul --

>My problem is that the BEEP BEEP BEEP sound is NOT affected by the
VR8

>AFA Tone Level pot! How the heck is that pulse getting into the
>earphones?

Good clue! We can rule out the pin 6 to 7 direct short. I would take the scope and look for the distinctive AFA gate waveform in the audio stages. Then back through until it goes away.

One possible route might be through the audio mute circuit. For example, if D27 was backwards, the gate signal might make its way to the MUTE signal line where it would modulate the audio background.

>
>By the way... the BEEPING goes away while the AFA is making an
>announcement. And of course, it is not heard while the rig is in
receive
>mode.

This is consistent with the AFA gate causing the beep. The gating process is suspended during announcements.

Again, I would lift pins 5 and 6 just to prove to myself without a doubt that this is the source of the beep.

Don't you love detective stories!

Mike K1MG

Date: Fri, 12 Mar 1999 17:03:43 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [35400] Re: Computer Logging Programs
Message-ID: <36E98F3F.588D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

The easiest way for a logging program to be non y2K compliant is to store dates in numeric format. Whether you do calculations on date difference or any other quantity, the dates are one of the principal record id parts. When you store them as numbers the computer converts your date to a number. The number does not appear to be unique. However if you store the date as a text string it is not converted and therefore remains in its proper relationship. Yes, it takes more space -- maybe a whole 1K in a 65K file. So what -- it always works!

73

Date: Fri, 12 Mar 1999 16:22:11 -0600
From: "Bob Helms" <af5z@inetport.com>
To: <qrp-l@Lehigh.EDU>
Subject: [35401] Need HP 1980B Oscilloscope Oper/Prog Manual
Message-ID: <199903122259.QAA24262@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm searching for a operating/programming manual or copy for a Hewlett Packard 1980B Storage Oscilloscope. While the unit is solid state, HP no longer sells a manual for it. The unit is SER# 2306A 01861 and has OPT 811 and OPT 860. Per the HP web site the manual is part# 19801-90902 although it is no longer available.

I recall a thread here a year or so ago about sources of out of print manuals but I have been unable to locate the information. Anyone with a manual or knowing of a possible source for a manual, please REPLY DIRECT. I expect to BUY this as it is important to me.

Thanks,
Bob Helms, AF5Z
af5z@inetport.com

Date: Fri, 12 Mar 1999 23:04:34 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [35402] WSN-40 QRP Net tomorrow.
Message-ID: <36E99D82.4DE1@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang, don't forget that every Saturday is the QRP WSN-40 net. Although the NCS stations are West Coast, we have had stations check in from much further away.

7040 KHz, 1700Z to 1800Z, every Saturday.
During Daylight Savings this translates to 1600Z-1700Z.

Which means 9:00 AM Pacific Time, always.

Come join us and enjoy your morning coffee on the air with friends.

Ed Loranger "72"

--

-Ed AR QRP Millennium QSO's=510/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Fri, 12 Mar 1999 15:25:10 -0800
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [35403] WANT: 10m 3-el monobander
Message-ID: <36E9A256.1BA2@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just about the time 10m opens, Cushcraft dropped their 3-el yagi (the TEN-3) from their offerings. I would really love to get my hands on one of these to try some 10m QRP work when the K2 arrives. I would rather not have more than 3 elements to allow a bit of stealth in my installation...

73 Allan K7GT

(Still looking for radio-crazy hardcore backpackers for July 24-Aug 1 in Yosemite)

--

|
/|
/ |

Allan Taylor, PE K7GT | /Z |\
k7gt@arrl.net /| /599| \ QRP-L 1016 FISTS 3222
operating nr SF/Oakland CA /_|/_|_|_|_ ARS 228 10X 69929
..."QRP, QRO, or barefoot..."... [\--=====~/ DXCC 8171/CW 1395/40m
~~~~~

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Date: Fri, 12 Mar 1999 18:25:00 -0500  
From: ntan <ntan@crosslink.net>  
To: QRP-L <qrp-l@lehigh.EDU>  
Subject: [35404] blaster-tty agn...  
Message-ID: <36E9A244.3CAEEC31@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Is there anyone else using a FT101ee and BlasterTeleType? I need a few  
pointers on setting it up to xmit. tnx Neil WA4CHQrp

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End of QRP-L Digest 1393

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